BRUHATH BANGALORE MAHANAGARA PALIKE

Modified Estimate for **Dasarahalli Zone**

Name of Work:Improvements to roads at Widia School Compund Road & C Narayana Layout in Bagalagunte in Ward No: 14

Ward No. 14					**Est. Cost**		**5000000.00**	
Sl. N	**Description**	**Dimensions**				**Qty.**	**Rate**	**Amount**
		No.	**L.**	**B.**	**D**			
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
1	KSRRB300-1 Earthwork excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.142..,I.No.19.1 of KPWD S.R 2016-17)							
	Main Road							
		1	176.00	7.60	0.30	401.28		
	Widia Main Road							
		1	324.00	5.60	0.30	544.32		
		1	58.00	6.50	0.30	113.10		
	Widia School Road							
		1	157.00	5.65	0.30	266.12		
	Widia School Compound Road							
		1	188.00	5.20	0.30	293.28		
						1618.10	**170.92**	**276564.80**
							Per Cum	
2	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Page No.149..,I.No.19.64 of KPWD S.R 2016-17)							
	Main Road							
		1	176.00	7.60		1337.60		
	Widia Main Road							
		1	324.00	5.60		1814.40		
		1	58.00	6.50		377.00		
	Widia School Road							
		1	157.00	5.65		887.05		
	Widia School Compound Road							
		1	188.00	5.20		977.60		
						5393.65	**5.30**	**28586.00**
							Per Sqm	
3	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No.158 , I.No.20.18 of							

Sl. N	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	Main Road							
		1	176.00	7.60	0.23	307.65		
	Widia Main Road							
		1	324.00	5.60	0.23	417.31		
		1	58.00	6.50	0.23	86.71		
	Widia School Road							
		1	157.00	5.65	0.23	204.02		
	Widia School Compound Road							
		1	188.00	5.20	0.23	224.85		
						1240.54	**1768.08**	**2193373.00**
							Per Cum	
4	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page No.161..,I.No.21.6 of KPWD							
	Main Road							
	0-176	1	176.00	7.60		1337.60		
	Widia Main Road							
	0-324	1	324.00	5.60		1814.40		
	0-180	1	58.00	6.50		377.00		
	Widia School Road							
	0-157	1	157.00	5.65		887.05		
	Widia School Compound Road							
	0-183.5	1	188.00	5.20		977.60		
						5393.65	**27.56**	**148649.00**
							Per Sqm	
5	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed Coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, butexcluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications.using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-I (80 mm to 100 mm)							

Sl. N	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	Main Road		100.58			12.57		
		1	~~176.00~~	2.50	0.05	~~22.00~~		
	Widia Main Road		~~337.80~~			~~33.770~~		
		1	~~324.00~~	2.00	0.05	~~32.40~~		
		1	58.00	2.10	0.05	6.09		
	Widia School Road							
		1	157.00	1.80	0.05	14.13		
	Widia School Compound Road							
		1	188.00	2.20	0.05	20.68	5605.25	488626.27
						~~95.30~~	~~5127.22~~	~~488624.07~~
						87.17	**Per Cum**	
6	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Sqm bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 (Page No.161...I.No.21.7 of							
	Main Road							
		1	176.00	7.60		1337.60		
	Widia Main Road							
		1	324.00	5.60		1814.40		
		1	58.00	6.50		377.00		
	Widia School Road							
		1	157.00	5.65		887.05		
	Widia School Compound Road							
		1	188.00	5.20		977.60		
						5393.65	**11.66**	**62889.96**
						Per Sqm		
7	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications.using 40-60 TPH capacity H.M.P. with mechanical paver grading I (50 -65mm) with 5.2% VG - 30							
	Main Road							
		1	176.00	7.60	0.03	40.13		
	Widia Main Road		225.12			37.82		
		1	~~324.00~~	5.60	0.03	~~54.43~~		
		1	58.00	6.50	0.03	11.31		
	Widia School Road							
		1	157.00	5.65	0.03	26.61		
	Widia School Compound Road							
		1	188.00	5.20	0.03	29.33	7858.84	1141085.18
					145.20	~~161.81~~	~~7052.18~~	~~1141109.72~~
						Per Cum		

Sl. N	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
8	Conveying Excavated Earth to alead of 10 Kms including loading & unloading charges by private Vehicle							
	Qty vide Item No: 1					1618.10	100.00	161809.50
						Per Cum		4501583.71
						SubTotal		~~4501606.04~~
9	Add 11% KRIDL Charges							~~495176.66~~
								495174.21
10	Miscelleneous & other unforseen charges					LS		~~3217.29~~
								3242.09
						GRAND TOTAL Rs.		5000000.00

CERTIFICATE

1 The work spot have been inspected by me and work is found to be necessary.
2 This estimate is prepared as per CSR of 2016-17
3 This work is not split up
4 The provisions were made in this estimate are adequete and
5 This works comes under BBMP Limits

Asst.Engineer
Ward No.14
B.B.M.P

Asst.Executive Engineer
Dasarahalli Sub Division
B.B.M.P.

Executive Engineer
Dasarahalli Division
B.B.M.P.

ಸಂ. CE/TS/165/17-18 ದಿನಾಂಕ : 26.03.2018
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